Abstracts

The Characteristic Impedance and Velocity Ratio of Dielectric-Supported Strip Line (Correspondence)

H.E. Green and J.R. Pyle. "The Characteristic Impedance and Velocity Ratio of Dielectric-Supported Strip Line (Correspondence)." 1965 Transactions on Microwave Theory and Techniques 13.1 (Jan. 1965 [T-MTT]): 135-137.

In its most practical form, strip line is made with a center conductor which, consists of two thin strips of copper of the desired width on each of the two faces of a printed circuit board. Without exception known to the authors, all published theoretical results for the characteristic impedances of such lines involve the neglect of the dielectric board, i.e., the configuration analyzed is that having a center conductor of two thin unsupported strips. The only data published to date in which the effect of the supporting card is included have been experimental.

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